

1

Claims

2 We claim:

3 1. A load leveling weight distributing hitch system comprising:

4 (A) a hitch head;

5 (B) a first T socket post attached to said hitch head;

6 (C) a first T socket attached to said first T socket post;

7 (D) a first spring bar attached to said first T socket; and

8 (E) a spring bar lift attached to said first spring bar by a chain.

9 2. A load leveling weight distributing hitch system, as recited in claim 1, wherein said hitch
10 head further comprises:

11 (1) a mount for attaching said hitch head to a hitch shank;

12 (2) a ball hitch fixture attached to said hitch head to provide an attachment to
13 a trailer; and

14 (3) a thumb screw adjustment for control of the pitch of said ball hitch fixture.

15 3. A load leveling weight distributing hitch system, as recited in claim 1, wherein said first
16 T socket post further comprises a T socket rotation slot.

17 4. A load leveling weight distributing hitch system, as recited in claim 1, wherein said first
18 T socket further comprises sprung retainer pin.

19 5. A load leveling weight distributing hitch system, as recited in claim 3, wherein said first
20 T socket further comprises a T socket pin to interact with said T socket rotation slot.

21 6. A load leveling weight distributing hitch system as recited in claim 1, wherein said first
22 spring bar further comprises a tapered end to permit a quick connection with said T

1 socket.

2 7. A load leveling weight distributing hitch system as recited in claim 1, wherein said first
3 spring bar further comprises a retainer pin slot to permit a quick disconnect with said T
4 socket by rotating said spring bar.

5 8. A load leveling weight distributing hitch system, as recited in claim 1, wherein said
6 spring bar lift further comprises:

7 (1) a chain retention loop to maintain chain tension;

8 (2) a pivotable chain latch to permit the selective increase in chain tension;
9 and

10 (3) a lift lock.

11 9. A load leveling weight distributing hitch system, as recited in claim 8, wherein said lift
12 lock further comprises:

13 (a) an exterior body having a generally cylindrical shape with a tapered
14 end;

15 (b) a pivot pin positioned within said exterior body, said pivot pin
16 being held in place by an internal spring; and

17 (c) a post attached to said pivot pin and which permits a user to pivot
18 said pivot pin thereby unlocking said lift lock.

19 10. A load leveling weight distributing hitch system, as recited in claim 9, wherein said lift
20 lock further comprises a single piece shaft with an increase in internal dimension to retain
21 a spring and a guide pin, thereby controlling said post.